SynCalc™

Quick Reference Guide

Load/Save Sub-Menu

Load Wrksheet (/LLW cell filespec.) — Load the selected worksheet file (filespec.) starting at the specified location (cell).

Load Data (/LLD order operation cell filespec.) — Load the selected DIF data file (filespec.) starting at the specified location (cell) in the given order (order) performing the selected operation.

Order R for row
C for column

Operation O for overlay
+ for add
– for subtract
* for multiply
/ for divide

Save Wrksheet (/LSW filespec.) — Save current worksheet to the specified file (filespec.).

Save Data (/LSD order range filespec.) — Save the cells in the selected range to the file (filespec.) as a DIF file in the order given.

Order R for row
C for column

Save Text (/LST range filespec.) — Save the selected range to the file (filespec.) as a text file for merging with AtariWriter.™

Format Disk (/LFD drive number:) — Format disk in selected drive.

Delete File (/LD filetype filespec.) — Delete selected file from disk.

FileType W for worksheet (.SC)
D for DIF data (.DIF)
T for text (.TXT)

Rename File (/LR filetype, old file spec., new filespec.) — Rename old file spec of selected file type to new filespec.

Filetype W for worksheet (.SC)
D for DIF data (.DIF)
T for text (.TXT)

VC → SC — Load VisiCalc to SynCalc conversion utility.

Text Entry Window

Enter or edit any text entry. The small vertical mark at the top of the window indicates the last character position in the current column.

Numeric Entry Window

Enter or edit any numeric or formula entry. A green window indicates cell point mode while a blue window indicates formula edit mode. The ATARI logo or inverse video key will toggle between the two modes. Press [OPTION] or [SELECT] to view the two function reference screens.

Command Sub-Menu

Format Justify Left (/FL range) — Left justify selected cells.

Format Justify Center (/FC range) — Center selected cells.

Format Justify Right (/FR range) — Right justify selected cells.

Format Margin (/FM value range) — Reserve a number of character positions (value) in the selected cells (range).

Format Protect (/F type range) — Protect the selected cells from the operation (type) specified.

Type V for protect values from recalc.
O to override entry.

Format Dollars (/F$ range) — Display leading dollar sign ($) in selected cells.

Format Commas (/F, range) — Display large numbers with commas inserted every three digits to the left of the decimal place.

Format Percent (/F% range)
Display selected cells as values multiplied by 100 and with a trailing percent sign (%).

Format Precision (/FP value range)
Sets the number of digits to the right of the decimal point to display in the selected cells.

Format Number (/F type range)
Set the number types for the selected cells (range).

Type . for fixed
F for floating
S for scientific
E for engineering

Format Sign (/F type range)
Set the method for displaying negative numbers for the selected cells.

Type — for leading minus sign
(for parentheses
D for DR/CR

Global Format (/FG type)
Format all cells not individually formatted.

Type L for left justified
C for centered
R for right justified
M value for margin
V to protect values
O to override entry
$ for dollar sign
, for comma insertion
% for percents
P value for precision
. for fixed
F for floating
S for scientific
E for engineering

Type — for leading minus sign
(for parentheses
D for DR/CR

Global Unformat (/FUG value)
Unformat all cells not formatted individually.

Type $ for dollars
, for comma insertion
V for protect values
O for override entry
% for percents

Global Width (/FGW value)
Set all column widths not individually set (1 to 36 characters).

Global Erase (/E#)
Erase entire worksheet.

Global Recalc (/R type)
Set recalculation parameters.

Type RETURN for normal recalc
F for forced recalc
A for automatic
M for manual
C for column priority
R for row priority

Global Txt Mode (/Type)
Set the text mode for the worksheet.

Type O for overflow mode
B for bounded mode

Width (/FW value range)
Set the columns specified (range) to the width given (value) which can be 1 to 36 characters.

Unformat (/FU type range)
Unformat the selected cells.

Type $ for dollars
, for comma insertion
V for protect value
O for override entry
% for percents

Cursor Memory (/K)
Turns automatic cursor movement off and on.

Copy (/C source destination)
Copy contents and formats of cells in source range to destination range.

If source is:	**Destination can be:**
one cell	a row or column segment
a row segment	a block of rows
a column segment	a block of columns

Move (/M source cell)
Move the block of cells (source) to the block of cells whose upper—left corner is specified (cell) without changing cell references.

Insert (/I type location) — Insert row (R) or column (C) at specified location.

Delete (/D type location) — Delete row (R) or column (C) at specified location.

Erase (/E range) — Erase specified cells.

Goto (/G cell) — Jump cursor to specified cell.

Print (/P type range) — Print the selected cells to the printer.

Type W for worksheet
C for contents

Sort (/S type source sortcolumn targetcell) — Sort the rows in the source range based on the sort column in ascending (A) or descending (D) order and place at the block of cells whose upper—left cell is given (cell).

Window (/W type synch location) — Create a window at the specified location.

Type RETURN for single
V for vertical
H for horizontal

Synch S for synched
I for independent

Location Any valid cell pointed to with the cursor

Titles (/T type location) — Fix titles at selected location.

Type RETURN for cancel titles
V for vertical
H for horizontal
B for both

Location Any valid cell pointed to with the cursor

Headings (/H) — Toggle the column and row headings on and off.

Use Lbis (/U cell) — Declare the row and column intersecting at the specified cell (cell) as the label row and column. Cells can then be referenced using labels in this row and column separated by an underline (_).

Built-In Functions

Mathematical

@ABS(x)	Absolute value of x
@ACOS(x)	Arc cosine of x
@ASIN(x)	Arc sine of x
@ATAN(x)	Arc tangent of x
@COS(x)	Cosine of x radians
@EXP(x)	e to the x power
@INT(x)	Integer portion of x
@LN(X)	Natural log of x
@LOG(x)	Common log of x
@PI	Pi π
@SIN(X)	Sine of x radians
@SQRT(x)	Square root of x
@TAN(x)	Tangent of x radians

Logical function

@If condition THENx ELSEy	Value of x if condition is true, value of y if condition is false. Condition can contain AND, or OR.

Special functions

@ LOOKUP (S, range, offset)	Lookup table

Financial functions

@FV (payment, interest, term)	Future value of an annuity
@NPV (range, interest)	Net present value
@PMT (principal, interest, term)	Loan payment

Statistical Functions

@AVG (range)	Average
@CNT (range)	Count of numeric entries
@MAX (range)	Maximum value
@MEAN (range)	Sample mean
@MIN (range)	Minimum value
@SD (range)	Sample standard deviation
@SUM (range)	Sum
@VAR (range)	Sample variance

Special Keys

START	Recalculate worksheet
#	Entire worksheet
!	Bottom-right cell
;	Current cursor position
ESC	Exit operation

synapse